

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
PO038039	MES002-VC	1	1	COD	M304TS0.750W.049	304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH				1,000	10/20/2017	1,000		S001194	Stock	10/23/2017	\$ 3.80 / ft	0	3	\$3,800.00	Metaux Solutions	
		2	M304TS0.750W.065		304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH				600		600		S001195	Stock	10/23/2017	\$ 2.75 / ft	0	3	\$1,650.00	Metaux Solutions		
Total:										1,600		1,600									\$4,313.24	

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7  
**Tel. : 450 641-3330**

**Customer : 6323336**

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

## Shipping Order

16/10/2017

**Order** : 129566  
**Reference** : 38039  
**Ship** : PICK UP / PICK UP

### Ship To

Same

**Tel. : 1 613 632-3336**

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SSQT34340494	304 SQ TUBE .750 X .049 WALL 50 x 20' ***** ht, <u>AKC040273</u> <b>DAS 5 9-89</b>	1000	<u>1000</u>	<u>φ</u>
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" 30 x 20' ***** ht, <u>TBH041709</u> <b>DAS 5 9-89</b>	600	<u>600</u>	<u>φ</u>

ship journey collect  
jp

SPR-10-23

**Shipping** : \_\_\_\_\_  
**Package No** : \_\_\_\_\_

**Ref.** : \_\_\_\_\_

**Merchandise Received:** \_\_\_\_\_

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7

Tel.: 450 641-3330

# Shipping Order

16/10/2017

Order : 129566  
Reference : 38039  
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DART AEROSPACE LTD  
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HAWKESBURY, ONTARIO  
K6A 1K7

## Ship To

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Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SSQT34340494	304 SQ TUBE .750 X .049 WALL 50 x 20' ***** ht: AKE 040273	1000	<u>1000</u>	<u>Ø</u>
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" 30 x 20' ***** ht: TBH 041709	600	<u>600</u>	<u>Ø</u>

ship journey collect

jp

Shipping : \_\_\_\_\_

Package No : \_\_\_\_\_

Ref. : \_\_\_\_\_

Merchandise Received: \_\_\_\_\_



Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO038039

**Supplier:** MES002-VC  
Metaux Solutions  
2625 boul Jacques-Cartier Est  
Longueuil  
QC  
J4N 1L7 Canada  
Phone: 800 558 8858  
Fax: 514 633 8044

**PO No:** PO038039

**PO Date:** 10/16/17

**Due Date:** 10/20/17

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
Phone: clavoie@dartaero.com

**E-MAILED**  
OCT 16 2017

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** COD

**Freight Terms:**

**Special Comments:**

## Items

Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304TS0.750W.049	-			304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH		Firmed	10/20/17	1,000 ft	0 ft 1000	1,000 ft	\$3.80/ft	\$3,800.00
2	M304TS0.750W.065	-			304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH		Firmed	10/20/17	600 ft	0 ft 600 ft	600 ft	\$2.75/ft	\$1,650.00

**Grand Total: \$5,450.00**

## Order Notes

### Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

# Kingmaker Steel Co., Inc.

## Stainless Steel Tube and Pipe

133 Belmont Drive, Somerset, NJ 08873-1203  
Tel.: (732) 302-1800, Fax: (732) 302-1822

17000

Date: 6/20/2017  
Invoice No: KM2017/1426  
Purchase P008120  
Order No:  
Sold To:

### Material Certification

ISO 9001:2015  
ISO 14001:2004  
EN 10204/3.1B

Ship To:

Stainless Steel T.I.G. Welded Tubing.

Country of Melt: Taiwan, Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 0.049"W X 20'	DAS 5 AKE040273	MF	ASTM A554-16	MT-304
2:		9-89			
3:					
4:					
5:					

### CHEMICAL PROPERTIES

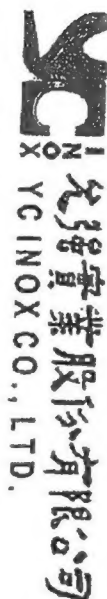
	C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu
1:	.040	.510	1.08	.029	.014	18.10	8.14			
2:										
3:										
4:										
5:										

### MECHANICAL PROPERTIES

	Tensile (N/mm2)	Yield (N/mm2)	Elong. (%)	Hardness (HRB)	Flattening	Hydrostatic	Eddy Current
1:	673.00	235.00	46.00	82.80			
2:							
3:							
4:							
5:							

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

006744



允強實業股份有限公司  
YC INOX CO., LTD.

# 檢驗證明書 INSPECTION CERTIFICATE

524彰化縣溪州鄉中山路四段270號  
No.270 Sec.4, Jungshan Rd., Shijou Shiang,  
Chang-Hwa, Taiwan, R.O.C  
http://www.ycinox.com  
TEL : +886-4-8899666 FAX : +886-4-8999770



客戶名稱 Customer		客戶編號 Customer No.	FC0027	證明書編號 Certificate No.	170615P0017
產品名稱 Product	STAINLESS STEEL WELDED TUBE	商業發票號碼 Commercial Invoice No.	J17050350	證明書日期 Date of Issue	2017/06/14
規格名稱 Specification	ASTM A554-16	客戶採購單號 PO No.	P007499	訂購編號 Order No.	EP17040026-1
鋼種 Steel Grade	MT-304	重量編號 Weight No.	C17060050	P.I.號碼 P.I.NO.	P11704-009

項目 Item No.	爐號 Heat No.	產品規格 Product Description		化學成份(%) Chemical Composition												拉伸試驗 Tension Test		硬度 HRC
		尺寸 Dimension	數量 Quantity Pcs	表面 Finish	C	Si	Mn	P	S	Ni	Cr	Mo	W	屈服 0.2%YS MPa	抗拉 T.S. MPa	伸長率 E.L. %		
Specification																		
Min.																		
1	TBH041209	3/4" (19mm) x 3/4" (19mm) x 0.085" (1.65mm) x 20' F	75	GRIT 180	47	48	100	200	45	30	1100	2000		320	664	50	86	
2	TBH050531	1" (25.4mm) x 1" (25.4mm) x 0.085" (1.65mm) x 20' F	70	GRIT 180	48	49	88	36	32	3	810	1813		308	656	52	83	
3	TBH051154	1" (25.4mm) x 1" (25.4mm) x 0.085" (1.65mm) x 20' F	80	GRIT 180	43	51	89	34	3	807	1816		318	703	55	85		
4	TBH050989	1 1/4" (31.8mm) x 1 1/4" (31.8mm) x 0.085" (1.65mm) x 20' F	75	GRIT 180	62	52	86	29	3	812	1815		318	668	52	84		
5	TBH051825	1 1/4" (31.8mm) x 1 1/4" (31.8mm) x 0.127" (3.05mm) x 20' F	50	GRIT 180	47	47	93	34	4	813	1818		287	629	54	84		
6	TBH032105	2" (50.8mm) x 2" (50.8mm) x 0.127" (3.05mm) x 20' F	75	GRIT 180	50	47	89	32	4	804	1817		323	688	53	89		
7	TBH052046	2" (50.8mm) x 2" (50.8mm) x 0.127" (3.05mm) x 20' F	25	GRIT 180	18	42	156	33	2	820	1834		301	661	54	87		
TOTAL:			450															
附註 Remark																		

This certificate complies to 3.1/EN 10204:2004.

附註 Remark

註解 Note

\*V1 = Hardness Test  
Gauge Length: 50mm

Visual Inspection (Surface) and Dimension Check: OK

1MPa = 1N/mm<sup>2</sup> = 10bar = 145psi =  
10.2kgf/cm<sup>2</sup>

茲證明本文所列產品，均經材料檢驗及試驗，並符合標準之要求，與無縫鋼管之  
We hereby certify that material described herein has been manufactured and tested with  
satisfactory results in accordance with the requirement of the above material specification.  
The material described above has been found free of radiation by raw material supplier.

1.ISO 9001:2008 (No.01 100 056239)  
2.PEB / AD2000 (No.01 202 TWW/O.05 0105)  
3.ISO 14001:2004 (No.01 104 822 096385)  
4.OHSAS 18001:2007 (No.01 113 822 096385)

Inspector By  
N/A

Manager of Quality Assurance Department

*J. T. Lee*

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304+50.750W.049  
 DATE: OCT 23 2017

PO / BATCH NO.: PO 038039/S001194

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 1000'  
 QUANTITY INSPECTED: 1000'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750  
 THICKNESS RECEIVED: .750  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	ASTM A554
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	HT# AKE040273
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____ DATE: <u>OCT 23 2017</u>	DAS <u>5</u> 9-89	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

DAS

FINISH: ASTM A564 MILL FINISH  
OR ASTM A269 MILL FINISH

9-89

WHERE: A.AAA = WIDTH IN INCHES  
.TTT = WALL THICKNESS IN INCHES

PART NUMBER: M304TS | A.AAA | W | .TTT |  
| WIDTH | WALL |

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

RELEASED  
R 2014-05-26

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3818)	DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING	AJS	09.10.16
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-045 FOR DETAILS).	AJS	08.08.28
A	NEW ISSUE	DS	01.08.09
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	DB		
CHECKED	DB		
MFG. APPR.	M304TS		
APPROVED			
DE APPR.			
DATE	14.05.20		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
REV. D DRAWING NO. SHEET 1 OF 1			
TITLE 304/316 SQUARE TUBING			
SCALE NONE			
COPYRIGHT © 2011 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.			



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MB04T501750W.065  
 DATE: OCT 23 2017

PO / BATCH NO.: PO 38039 / S001195

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 600'  
 QUANTITY INSPECTED: 600'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750  
 THICKNESS RECEIVED: .750  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	N	ASTM A554
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	Ht# + B# 041709
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____ DATE: <u>OCT 23 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

DAS

FINISH: ASTM A564 MILL FINISH  
OR ASTM A269 MILL FINISH

5  
9-89

WHERE: A.AAA = WIDTH IN INCHES  
.TTT = WALL THICKNESS IN INCHES

PART NUMBER: M304TS | A.AAA | W | .TTT  
| WIDTH | WALL |

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

RELEASED  
R 2014-05-26

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3818)				DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING				AJS	09.10.16
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-045 FOR DETAILS).				AJS	06.08.28
A	NEW ISSUE				DS	01.08.08
REV.	DESCRIPTION				BY	DATE
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA				
DRAWN	DB					
CHECKED	DB					
MFG. APPR.	DB					
APPROVED	DB					
DE APPR.	DB	DRAWING NO. M304TS		SHEET 1 OF 1		
DATE	14.05.20	TITLE 304/316 SQUARE TUBING		SCALE NONE		
COPYRIGHT © 2001 BY DART AEROSPACE LTD. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.						